



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	<b>Ms_JMSRR_51334</b>
Title of the Manuscript:	<b>Development of a process for producing zirconium-rich alkali-resistant glasses containing heavy metals present in fly ashes from municipal solids waste incineration</b>
Type of the Article	<b>Original Research Article</b>

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	Reviewer's comment: Dear Editor: The manuscript focused on the "Development of a process for producing zirconium-rich alkali-resistant glasses containing heavy metals present in fly ashes from municipal solids waste incineration". It is very interesting and novel study in some fields. Based on above reason, it is recommended to publish it. However, some points need to revise, which is listed below [1] The new relate references are needed to add in the revised manuscript. [2] The authors investigate many parameters in this study. What is optimal condition in this work? [3] The figure 2 is shown a concave-up feature. Please explain it in details. [4] What are the important applications in this study? Please add in the revised manuscript. [	<ol style="list-style-type: none"> <li>1- I've added some news references (20, 21, 22, 23). I didn't find this protocol before so it's not easy to find many references related to this kind of glass synthesis.</li> <li>2- It's was necessity to investigate all these parameters to compare raw glasses to glasses after 28 days in alkaline media. Alkaline solution is chosen to simulate cement. The optimal glass in this work is V5.</li> <li>3- I've tried to explain much more in the revised manuscript. I already looked for some scientific articles to explain that but I didn't find a lot</li> <li>4- The final aim of this study is to value these alkali-resistant glasses containing heavy metals in cement. I've added it in the end of introduction in the revised manuscript</li> </ol>

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	(If yes, Kindly please write down the ethical issues here in details)	